

2001 SUGAR AND SPECIALTY CROP HIGHLIGHTS

SUGAR

Sugar production for 2001 decreased 18 percent from the previous year to 246,000 tons of 96° raw sugar. A 36 percent decline in acreage for harvest accounted for the lower production. Plantations were able to harvest 1.9 million tons of sugarcane from 19,300 acres for an average yield of 97.3 tons of sugarcane per acre. Sugar prices during 2001 rebounded 14 percent to \$351 per ton of 96° raw sugar, resulting in a total value of \$86.4 million for raw sugar, a 7 percent decrease from 2000.

COFFEE

Hawaii coffee production for the 2001-02 season was 8.0 million pounds (parchment basis), down 8 percent from the previous season's harvest of 8.7 million pounds. Coffee farmers received an average of \$2.45 per pound (parchment equivalent) for the 2001-02 season, 8 percent less than the previous year. Total farm revenues are estimated at \$19.6 million, down 15 percent from the 2000-01 season.

A combination of factors resulted in lower coffee production during the 2001-02 season. On the Big Island, weather conditions played a major role as uneven rainfall produced an early and relatively short harvest. Heavy pruning of trees by some farmers following the previous season's large harvest also contributed to the downturn in output. Coffee production on the other islands was hampered by dry weather, but more significantly by changes in operation. One relatively large company closed its coffee growing operations in 2001, while two other major growers either experienced a change in ownership or management of their coffee fields.

Harvested acreage totaled 6,300 acres during the 2001-02 season, down 7 percent or 500 acres from the 2000-01 season - the largest drop in harvested acreage in 26 years.

MACADAMIA NUTS

Hawaii's 2001-02 macadamia nut crop was estimated at 56.0 million pounds net, wet-in-shell, 6.0 million pounds above the previous season's crop. Weather conditions had variable effects on orchards depending on location. Orchards in drier areas experienced a decline in useable nuts, but improved yields in orchards in areas of normally high rainfall were more than offsetting. Rains that fell in late 2001 and early 2002 benefitted orchard conditions and prospects for the 2002-03 crop in the drier areas. Lower prices in recent years have caused some smaller growers to switch from macadamia nuts to other crops. Overall yields averaged 3,150 pounds per acre (net, wet-in-shell), up 330 pounds from the previous season.

Total acreage in crop dropped 400 acres from the previous year to 18,000 acres, the lowest since the 1984-85 crop year. Virtually all acreage was harvested, totaling 17,800 acres, up 100 from a year ago.

The farm price for net, wet in-shell macadamia nuts averaged 58.0 cents per pound this season, down 1.0 cent from the previous season average, and the lowest since the 1978-79 crop. The farm value for the 2001-02 crop is estimated at \$32.5 million, up 10 percent from last year. On-going foreign competition continued to put downward pressure on Hawaii grower prices.

COFFEE: Number of farms, acreage, yield, marketings, price, and value, by counties, 1997-2001

Crop year ¹	Farms	Acreage		Yield ²	Marketings ³	Farm prices			Value of sales	Green production
		In crop	Harvested			Cherry	Parchment	All ⁴		
	<i>Number</i>	<i>----- Acres -----</i>		<i>--- 1,000 pounds ---</i>		<i>----- Cents per pound -----</i>			<i>1,000 dollars</i>	<i>1,000 pounds</i>
State										
1997-98	585	7,000	5,800	1.6	9,400			300.0	28,200	7,720
1998-99	610	7,400	6,100	1.6	9,500			260.0	24,700	7,600
1999-00	650	7,700	6,400	1.6	10,000			210.0	21,000	8,100
2000-01	670	7,900	6,800	1.3	8,700			265.0	23,055	7,000
2001-02	700	8,000	6,300	1.3	8,000			245.0	19,600	6,400
Counties:										
Hawaii										
1997-98	575	2,490	1,900	1.5	2,850	135.0	700.0	570.0	16,245	2,300
1998-99	600	2,800	2,170	1.6	3,500	130.0	500.0	460.0	16,100	2,800
1999-00	635	3,200	2,400	1.2	3,000	70.0	360.0	310.0	9,300	2,400
2000-01	650	3,350	2,700	1.4	3,800	85.0	425.0	400.0	15,200	3,000
2001-02	675	3,430	2,850	1.1	3,100	85.0	425.0	5	5	2,500
Honolulu/Kauai/Maui⁶										
1997-98	10	4,510	3,900	1.7	6,550			183.0	11,955	5,420
1998-99	10	4,600	3,930	1.5	6,000			143.0	8,600	4,800
1999-00	15	4,500	4,000	1.8	7,000			167.0	11,700	5,700
2000-01	20	4,550	4,100	1.1	4,900			160.0	7,855	4,000
2001-02	25	4,570	3,450	1.4	4,900			5	5	3,900

¹ Coffee harvesting occurs throughout the year in Hawaii. The main harvest normally begins in late summer and extends to the early part of the following year.

² Average yields based on parchment equivalent marketings and harvested acreage.

³ Expressed in parchment equivalent pounds. Coffee marketed in cherry form was converted to an equivalent parchment weight and added to parchment marketings.

⁴ Represents an average farm price for parchment equivalent sales. Obtained by dividing farm revenues from the sale of cherry and parchment coffee by total marketings (parchment equivalent basis).

⁵ Not published to avoid disclosure of individual operations.

⁶ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

GINGER ROOT

Hawaii's ginger root farmers harvested 18.0 million pounds during the 2000-01 season, up 33 percent from the previous season and equivalent to the all-time high which was set during the 1997-98 season. Farm prices declined to an average of 45.0 cents per pound during the 2000-01 season, and total farm revenues were pegged at \$8.1 million, down 9 percent from the 1999-2000 season.

Hawaii farmers harvested 360 acres during the 2000-01 season, up 33 percent from the previous season and matching the record high last achieved during the 1997-98 season. Farmers could have harvested even more acreage had it not been for some heavy rains in early November 2000.

Due largely to its perishable nature, large increases in ginger root production normally result in relatively large declines in the farm price. For example, during the 1997-98 season when production increased 49 percent, farm prices declined 40 percent. A similar thing occurred during the 2000-01 season when production rose 33 percent and the average farm price declined 32 percent to a 14-season low of 45.0 cents per pound.

GINGER ROOT: Acreage, yield, production, price, and value, State of Hawaii, 1997-2001

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
1997	275	44.0	12,100	¹ 67.0	8,107
1998	360	50.0	18,000	40.0	7,200
1999	350	46.0	16,100	50.0	8,050
2000	270	50.0	13,500	66.0	8,910
2001	360	50.0	18,000	45.0	8,100

¹ Revised.

GINGER ROOT: U.S. imports, 1997-2001

Year	Unground (including fresh)	Ground	Sweet	Candied	Total
			1,000 pounds		
1997	29,649	854	2,046	1,267	33,816
1998	30,375	563	1,816	1,512	34,265
1999	33,679	669	2,059	2,000	38,406
2000	41,140	825	2,845	2,080	46,890
2001	39,682	2,255	2,649	2,151	46,737

Source: Foreign Agricultural Trade of the United States, Economic Research Service, U.S. Department of Agriculture.

HERBS, SEED CROPS

FRESH HERBS: Production, price, and value, State of Hawaii, 1997-2001

Year	Basil			Parsley	Chinese parsley (Cilantro)	Other herbs ¹	All herbs
	Sweet (Italian)	Asian	Total				
Production - 1,000 pounds							
1997	1,100	500	1,600	200	100	300	2,200
1998	1,200	500	1,700	125	75	500	2,400
1999	1,500	600	2,100	190	90	520	2,900
2000	1,600	500	2,100	220	80	500	2,900
2001	1,500	650	2,150	330	100	620	3,200
Farm price - dollars per pound							
1997	2.00	1.00		1.75	2.65	2.30	
1998	1.90	.90		2.05	2.70	2.20	
1999	2.00	.70		2.00	2.15	2.70	
2000	2.00	.80		2.00	3.00	2.20	
2001	2.00	.80		2.00	2.10	2.45	
Farm value - 1,000 dollars							
1997	2,200	500	2,700	350	265	690	4,005
1998	2,280	450	2,730	256	203	1,100	4,289
1999	3,000	420	3,420	380	194	1,404	5,398
2000	3,200	400	3,600	440	240	1,100	5,380
2001	3,000	520	3,520	660	210	1,519	5,909

¹ Includes spearmint, dill, and other miscellaneous herbs. Also includes small amounts of basil and parsley for which an individual total could not be obtained or published separately in order to avoid disclosure of individual operations.

SEED CROPS: Number of farms, acreage, outshipments, and value, State of Hawaii, 1997-2001

Crop year ¹	Farms	Acreage				Total outshipments of seed	Value ²		
		Total	Nursery	Seed increase	Grow-out or observation		Total	Seed corn	Other seed crops
	<i>Number</i>	<i>Acres</i>				<i>1,000 pounds</i>	<i>1,000 dollars</i>		
1997-98	8	2,960	1,040	1,830	90	4,050	25,150	24,684	466
1998-99	8	3,070	1,120	1,870	80	5,000	25,300	24,620	680
1999-00	8	2,450	1,045	1,300	105	3,500	30,500	28,700	1,800
2000-01	8	3,120	850	2,145	125	5,000	32,200	31,620	580
2001-02	8	3,300	925	2,250	125	6,340	32,800	32,275	525

¹ Seed crops are grown year-round in Hawaii. However, the main season is from November to June.

² Value is based on sales or gross operational budgets.

SUGARCANE

SUGARCANE: Number of farms, acreage, yield, production, price, and value, by counties, 1997-2001 ¹

Year	Farms ²	Acreage		Yield per acre		Production of cane for sugar	Farm price ³	Value of cane for sugar ⁴
		In crop ²	Harvested for sugar	Sugarcane ³	Raw sugar 96°			
	<i>Number</i>	<i>----- 1,000 acres -----</i>		<i>----- Tons -----</i>		<i>1,000 tons</i>	<i>Dollars per ton</i>	<i>Million dollars</i>
State								
1997	4	67.8	32.0	91.4	11.15	2,925	29.20	85.5
1998	4	67.6	30.3	90.0	11.66	2,727	32.00	87.4
1999	4	67.0	35.4	81.7	10.38	2,892	30.00	86.8
2000	3	60.0	30.2	78.3	9.97	2,365	26.30	62.2
2001	2	46.0	19.3	97.3	12.76	1,878	30.80	57.8
Counties:								
Kauai								
1997	2	25.4	12.3	92.8	10.80	1,141	27.70	31.6
1998	2	24.7	11.3	83.5	10.29	944	30.40	28.7
1999	2	23.7	13.9	66.0	8.08	917	29.00	26.6
2000	2	23.1	12.9	58.2	7.03	751	24.70	18.5
2001	1	10.6	4.2	92.1	13.04	387	33.40	12.9
Maui								
1997	2	42.4	19.7	90.6	11.36	1,784	30.20	53.9
1998	2	42.9	19.0	93.8	12.48	1,783	32.90	58.7
1999	2	43.3	21.5	91.9	11.86	1,975	30.50	60.2
2000	1	36.9	17.3	93.3	12.18	1,614	27.10	43.7
2001	1	35.4	15.1	98.7	12.68	1,491	30.10	44.9

¹ Primary data source, Hawaii Agricultural Research Center.

² At end of year.

³ Yield and farm price may not compute exactly due to rounding.

⁴ Value of cane for sugar estimated by deducting processing and marketing costs from value of sugar and molasses.

SUGAR: Production of raw sugar and molasses, price, and value, by counties, 1997-2001 ¹

Year	Mill production		Average returns received ²		Value of production		
	Raw sugar 96°	Molasses ³	Raw sugar 96°	Molasses ³	Raw sugar 96°	Molasses ³	Total
	----- 1,000 tons -----		----- Dollars per ton -----		----- Million dollars -----		
State							
1997	357	131	357	38.60	127.5	5.0	132.5
1998	354	118	368	23.50	130.3	2.8	133.1
1999	368	137	352	13.30	129.5	1.8	131.3
2000	301	102	309	27.20	93.1	2.8	95.9
2001	246	86	351	49.70	86.4	4.2	90.6
Counties:							
Kauai							
1997	133	41	354	39.80	47.1	1.6	48.7
1998	117	33	366	24.50	42.8	.8	43.6
1999	113	38	351	13.70	39.7	.5	40.2
2000	91	31	305	29.60	27.8	.9	28.7
2001	55	14	349	53.00	19.2	.7	19.9
Maui							
1997	224	90	359	38.00	80.4	3.4	83.8
1998	237	85	369	23.10	87.5	2.0	89.5
1999	255	99	352	13.20	89.8	1.3	91.1
2000	210	71	311	26.20	65.3	1.9	67.2
2001	191	72	352	49.00	67.2	3.5	70.7

¹ Primary data source, Hawaii Agricultural Research Center.

² Derived from production and value. State and county prices may not compute exactly due to rounding.

³ Commercial.

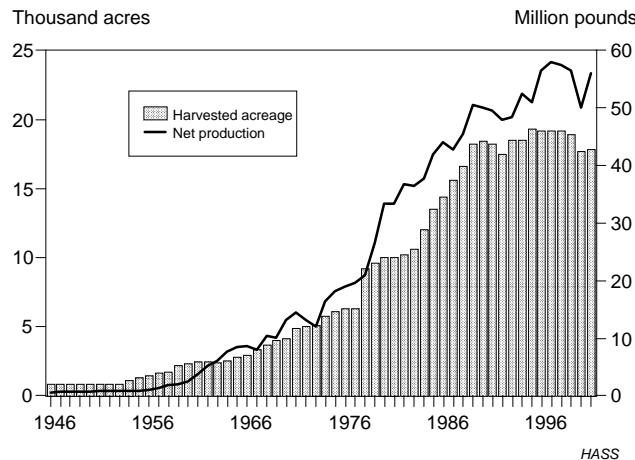
MACADAMIA NUTS

MACADAMIA NUTS: Number of farms, acreage, yield, production, moisture, price, and value, State of Hawaii, 1997-2001 crop years

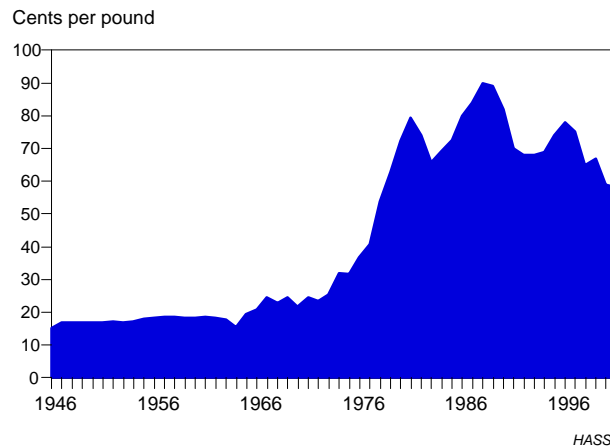
Crop year ¹	Farms	Acreage		Yield per acre ³	Production ⁴		Average moisture		Farm prices ⁴		Farm value ⁸
		In crop	Harvested ²		Gross ⁵	Net ⁶	Entire crop	Purchases only	Gross ⁷	Net	
	<i>Number</i>	<i>----- Acres -----</i>			<i>---- 1,000 pounds ----</i>		<i>----- Percent -----</i>		<i>Cents per pound -----</i>		<i>1,000 dollars</i>
1997-98	800	20,200	19,200	3.0	65,000	58,000	19.5	19.6	66.9	75.0	43,500
1998-99	800	20,200	19,200	3.0	66,000	57,500	20.5	20.8	57.0	65.0	37,375
1999-00	750	19,900	18,900	3.0	64,000	56,500	19.3	19.3	59.1	67.0	37,855
2000-01	650	18,400	17,700	2.8	56,000	50,000	21.0	21.0	52.7	59.0	29,500
2001-02	650	18,000	17,800	3.1	62,000	56,000	21.2	21.9	52.4	58.0	32,480

¹ Season begins July 1st and ends June 30th of the following year. ² Called bearing acreage prior to 1993-94 crop year. ³ Net production divided by acreage harvested. ⁴ Wet in-shell basis, delivered to processors. ⁵ Gross pounds delivered for processing. ⁶ Gross pounds delivered for processing less total spoilage. ⁷ Farm value divided by gross production. ⁸ Net production multiplied by net farm price.

MACADAMIA NUTS: Harvested Acreage and Net Production, State of Hawaii, 1946-2001 Seasons



MACADAMIA NUTS: Net Wet-in-shell Farm Prices, State of Hawaii, 1946-2001 Seasons



FLORICULTURE AND NURSERY PRODUCTS

Grower sales of Hawaii's flower and nursery products totaled a record \$88.0 million in 2001. Wholesale value was 6 percent higher than the \$82.7 million value for 2000. Orchids, foliage, and potted flowering plant categories registered increases in 2001.

Hawaii county with \$51.3 million in sales was up 8 percent from the \$47.5 million in 2000. Honolulu farmers reported sales of \$24.9 million, 4 percent higher than 2000. Maui county totaled \$9.9 million in sales, 1 percent lower than a year ago. Kauai registered \$1.9 million in sales, 51 percent more than 2000.

FLORICULTURE AND NURSERY PRODUCTS: Value of grower sales, by counties, 1997-2001

Year	Cut flowers ¹	Orchids ²	Lei flowers	Foliage ³	Potted flowering plants	All other nursery products ⁴	Unspecified sales ⁵	Total
<i>1,000 dollars</i>								
State								
1997	13,969	15,479	3,813	16,989	3,751	11,250	1,404	66,655
1998	15,176	15,790	3,485	⁶ 15,403	3,892	17,982	1,479	73,207
1999	16,517	17,166	4,051	16,055	4,421	15,978	1,537	75,725
2000	16,297	18,106	3,615	18,295	5,044	19,850	1,477	82,684
2001	15,500	19,989	3,450	20,239	5,060	22,267	1,471	87,976
Counties:								
Hawaii								
1997	10,939	8,063	1,226	11,124	882	1,726	541	34,501
1998	11,410	9,114	1,022	⁶ 11,612	1,676	3,715	604	39,153
1999	12,588	10,015	1,697	12,754	2,011	2,718	679	42,462
2000	12,592	10,319	1,140	15,757	2,120	4,859	712	47,499
2001	11,958	12,525	1,068	17,736	2,333	4,932	731	51,283
Honolulu								
1997	848	6,136	1,332	4,957	1,917	6,562	379	22,131
1998	774	5,839	1,258	⁶ 3,331	1,387	10,745	409	23,743
1999	745	5,741	1,210	2,601	1,063	10,119	386	21,865
2000	680	6,515	1,098	1,940	1,609	11,832	327	24,001
2001	531	6,205	1,136	2,121	1,440	13,146	337	24,916
Kauai								
1997	76	⁷	⁷	⁷	⁷	1,555	173	1,804
1998	138	⁷	⁷	⁷	⁷	1,090	132	1,360
1999	133	411	⁷	72	118	696	117	1,547
2000	99	245	⁷	55	194	560	113	1,266
2001	353	281	⁷	⁷	140	1,039	98	1,911
Maui								
1997	2,106	⁷	⁷	⁷	⁷	5,802	311	8,219
1998	2,854	⁷	⁷	⁷	⁷	5,763	334	8,951
1999	3,051	999	⁷	628	1,229	3,589	355	9,851
2000	2,926	1,027	⁷	543	1,121	3,976	325	9,918
2001	2,658	978	⁷	⁷	1,147	4,778	305	9,866

¹ Cut orchids included in "Orchids" category. ² Excludes orchids used for lei flowers. ³ Includes potted, cut, and unfinished. ⁴ Includes bedding plants, plant rentals, sod, trees, and any other nursery products not elsewhere classified. Sum of county estimates may not add to State total due to rounding. ⁵ Includes grower sales greater than \$999 but less than \$10,000 which were not categorized. ⁶ Unfinished foliage, 1998 included in "All other nursery products". ⁷ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001 ¹

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
CUT FLOWERS				
Anthuriums - dozens				
1997	61	11,420	758	6,892
1998	75	11,285	834	6,301
1999	68	11,500	1,019	6,725
2000	64	NA	1,010	7,357
2001	62	NA	992	6,904
Birds of Paradise - dozens				
1997	31	2,740	78	486
1998	24	2,285	66	495
1999	25	5,650	86	566
2000	26	NA	101	690
2001	28	NA	103	695
Carnations, miniature - bunches				
1997	8	205	91	320
1998	5	115	47	124
1999	4	75	51	131
2000 ³				
2001 ³				
Chrysanthemums, pompon - bunches				
1997	4	295	177	409
1998	6	265	196	358
1999	4	250	251	588
2000	4	NA	206	415
2001	4	NA	217	447
Ginger, pink - dozens				
1997	40	1,915	52	402
1998	52	3,075	92	530
1999	47	3,465	82	464
2000	46	NA	81	542
2001	44	NA	71	492
Ginger, red - dozens				
1997	46	2,350	85	473
1998	63	4,860	142	794
1999	61	3,380	157	748
2000	53	NA	137	750
2001	55	NA	142	755

See footnotes at end of table.

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FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001 ¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
Gingers, other - dozens				
1997	16	575	14	92
1998	30	830	18	144
1999	27	1,085	30	221
2000	26	NA	28	216
2001	22	NA	24	169
Heliconias - dozens				
1997	47	3,445	40	432
1998	56	5,775	56	664
1999	58	4,860	72	613
2000	54	NA	65	671
2001	52	NA	62	598
Proteas - stems				
1997	30	5,625	1,353	1,160
1998	28	8,015	2,996	1,738
1999	33	8,345	2,518	1,677
2000	25	NA	1,915	1,392
2001	26	NA	1,278	1,122
Roses ⁴ - stems				
1997				
1998				
1999				
2000	9	NA	5,144	2,057
2001 ³				
Other cut flowers - dozens				
1997	35	NA	NA	3,303
1998	38	NA	NA	4,028
1999	31	NA	NA	4,784
2000	32	NA	NA	2,207
2001	45	NA	NA	4,318

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001 ¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
ORCHIDS				
Cymbidiums, cut - flowers				
1997	8	275	348	137
1998	12	315	418	216
1999	12	335	537	337
2000	10	NA	509	315
2001	9	NA	372	232
Dendrobiums, sprays - dozens				
1997	56	3,505	368	2,549
1998	59	2,970	419	2,864
1999	49	2,610	378	2,608
2000	49	NA	340	2,335
2001	49	NA	415	2,990
Oncidiums, sprays - dozens				
1997	28	305	34	356
1998	32	485	58	580
1999	31	355	47	463
2000	37	NA	56	536
2001	35	NA	83	813
Other orchids, sprays ⁵ - dozens				
1997	5	NA	NA	25
1998	4	NA	NA	52
1999	6	NA	NA	28
2000	10	NA	NA	119
2001	9	NA	NA	29
Dendrobiums, potted ⁶ - pots				
1997	63	1,295	1,409	6,392
1998	63	NA	1,107	6,069
1999	72	NA	942	5,640
2000	74	NA	1,065	6,528
2001	76	NA	1,176	6,608
Phalaenopsis, potted ⁷ - pots				
1997				
1998	20	NA	221	1,178
1999	21	NA	205	1,169
2000	24	NA	143	1,030
2001	24	NA	154	926
Other orchids, potted - pots				
1997	56	1,235	1,295	6,020
1998	57	NA	951	4,831
1999	61	NA	1,551	6,921
2000	75	NA	1,561	7,243
2001	78	NA	2,256	8,392

See footnotes at end of table.

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FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
LEI/INDIVIDUAL BLOOMS				
Carnations - blooms				
1997	7	NA	7,500	410
1998	9	NA	6,800	448
1999	7	NA	5,600	397
2000	6	NA	5,400	377
2001	6	NA	5,500	383
Dendrobiums - blooms				
1997	35	NA	24,800	725
1998	28	NA	28,900	855
1999	27	NA	21,700	673
2000	26	NA	19,900	615
2001	26	NA	21,000	672
Pikake - strands				
1997 ⁸				
1998	5	NA	55.6	128
1999	7	NA	82.5	222
2000	8	NA	77.8	270
2001	8	NA	61.0	149
Plumerias - blooms				
1997	11	NA	31,800	833
1998	9	NA	23,800	601
1999	10	NA	45,000	931
2000	12	NA	21,700	538
2001	13	NA	30,100	723
Tuberose - blooms				
1997	4	NA	8	8
1998	6	NA	19,500	912
1999	6	NA	20,400	959
2000	7	NA	22,100	987
2001	6	NA	18,800	915
Vanda, Miss Joaquim - blooms				
1997	9	NA	22,300	657
1998	9	NA	10,900	292
1999	7	NA	11,300	396
2000	7	NA	14,000	503
2001	6	NA	7,900	340
Other lei/individual - blooms				
1997	NA	NA	NA	1,188
1998	NA	NA	NA	249
1999	NA	NA	NA	473
2000	NA	NA	NA	325
2001	NA	NA	NA	268

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001 ¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
FOLIAGE				
Potted, primarily for indoor or patio use ⁹				
1997	60	6,395	NA	12,552
1998	74	5,035	NA	14,617
1999	65	5,265	NA	15,002
2000 ¹⁰				
2001 ¹⁰				
Potted, dracaena ¹¹				
1997				
1998				
1999				
2000	31	NA	NA	6,648
2001	32	NA	NA	8,443
Potted, palms ¹¹				
1997				
1998				
1999				
2000	44	NA	NA	8,434
2001	45	NA	NA	8,280
Potted, hanging baskets ¹¹				
1997				
1998				
1999				
2000	16	NA	NA	123
2001	15	NA	NA	129
Potted, other ¹¹				
1997				
1998				
1999				
2000	39	NA	NA	1,880
2001	32	NA	NA	2,384
Potted, primarily for landscape use				
1997	62	NA	NA	3,515
1998 ¹²				
1999 ¹²				
2000 ¹²				
2001 ¹²				

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
Ti leaves, cut - leaves				
1997	27	1,225	2,600	153
1998	41	2,585	6,000	412
1999	45	2,575	5,900	468
2000	37	NA	2,100	161
2001	39	NA	3,900	277
Unfinished foliage stock (for further growing on)				
1997	16	17,205	NA	511
1998 ¹²				
1999 ¹²				
2000	12	NA	NA	702
2001	8	NA	NA	497
Other greens, cut				
1997	23	NA	NA	258
1998	35	NA	NA	374
1999	22	NA	NA	224
2000	32	NA	NA	347
2001	33	NA	NA	229
POTTED BEDDING/GARDEN				
Impatiens, New Guinea				
1997 ¹²				
1998 ¹²				
1999 ¹²				
2000	11	NA	104	129
2001	10	NA	131	193
Impatiens, other				
1997 ¹²				
1998 ¹²				
1999 ¹²				
2000	8	NA	169	103
2001	10	NA	279	171
Other bedding/garden				
1997 ¹²				
1998 ¹²				
1999 ¹²				
2000	30	NA	NA	2,502
2001	29	NA	NA	2,548

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
POTTED FLOWERING PLANTS				
Anthuriums - pots				
1997	21	190	140	390
1998	15	NA	113	321
1999	24	NA	144	495
2000	28	NA	182	677
2001	25	NA	177	609
Bromeliads¹³ - pots				
1997				
1998	8	NA	88	423
1999	14	NA	112	626
2000	18	NA	111	593
2001	18	NA	139	616
Chrysanthemums¹³ - pots				
1997				
1998	5	NA	127	573
1999	4	NA	159	677
2000	6	NA	178	738
2001	5	NA	176	737
Poinsettias - pots				
1997	28	590	238	900
1998	30	NA	263	1,012
1999	30	NA	332	1,233
2000	31	NA	334	1,292
2001	35	NA	328	1,272
Other potted flowering plants				
1997	40	NA	NA	2,461
1998	27	NA	NA	1,563
1999	26	NA	NA	1,390
2000	30	NA	NA	1,744
2001	34	NA	NA	1,826

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms, area, quantity, and value, State of Hawaii, 1997-2001 ¹ -- Continued

Crop	Farms having sales ²	Production area	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000 square feet</i>	<i>1,000</i>	<i>1,000 dollars</i>
ORNAMENTALS & TREES				
1997	42	NA	NA	1,561
1998 ¹²				
1999 ¹²				
2000 ¹²				
2001 ¹²				
PLANT RENTALS				
1997	37	NA	NA	2,925
1998	45	NA	NA	4,715
1999	32	NA	NA	3,226
2000	37	NA	NA	3,374
2001	42	NA	NA	3,098
LANDSCAPE PLANTS				
1997 ¹²				
1998 ¹²				
1999 ¹²				
2000	98	NA	NA	10,601
2001	109	NA	NA	12,851
OTHER NURSERY PRODUCTS ¹⁴				
1997	88	NA	NA	6,764
1998	NA	NA	NA	13,267
1999	NA	NA	NA	13,113
2000	NA	NA	NA	3,141
2001	NA	NA	NA	3,406
UNSPECIFIED SALES ¹⁵				
1997				1,404
1998				1,479
1999				1,537
2000				1,477
2001				1,471
TOTAL				
1997	670			66,655
1998	745			73,207
1999	765			75,725
2000	735			82,684
2001	790			87,976

NA = Not available. ¹ Beginning 1992, includes only producers having total sales of \$10,000 or more. ² Number for each individual flower item is count of those having sales of that item during each year; "Total" is unduplicated count. ³ Included with "Other cut flowers". ⁴ Prior to 2000, included with "Other cut flowers". ⁵ Includes cattleyas, vanda hybrids, phalaenopsis, and paphiopedilums. ⁶ Includes in bud/bloom and community pots. ⁷ Prior to 1998, included with "Other orchids, potted". ⁸ Included with "Other lei/individual" to avoid disclosure of individual operations. ⁹ Includes hanging baskets. ¹⁰ Beginning 2000, separated into "Dracaena", "Palms", "Hanging baskets", and "Other". ¹¹ Prior to 2000, included with "Potted, primarily for indoor or patio use". ¹² Included with "Other nursery products". ¹³ Prior to 1998, included with "Other potted flowering plants". ¹⁴ Includes flowers or nursery products not elsewhere classified. ¹⁵ Beginning 1992, includes sales of growers greater than \$999 but less than \$10,000 which were not categorized.

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of farms and growing area, by counties, 1997-2001

Year	Farms	Greenhouse ¹	Artificial shade	Natural shade	Open field	Total area
	<i>Number</i>	<i>----- 1,000 square feet -----</i>			<i>----- Acres -----</i>	
State						
1997	670	2,805	23,885	10	1,535	2,158
1998	745	2,810	24,200	9	2,050	2,679
1999	765	2,910	25,695	15	2,040	2,712
2000	735	3,235	25,180	7	2,060	2,719
2001	790	3,175	26,660	9	2,355	3,049
Counties:						
Hawaii						
1997	312	2,000	18,805	10	875	1,363
1998	355	1,975	19,620	9	1,155	1,660
1999	355	1,970	21,450	15	1,015	1,568
2000	335	2,425	20,675	6	920	1,456
2001	360	2,265	22,010	9	1,055	1,621
Honolulu						
1997	202	510	4,380	0	310	422
1998	205	480	3,810	0	415	514
1999	225	485	3,360	0	465	553
2000	205	395	3,480	0	495	584
2001	220	370	3,625	0	580	672
Kauai						
1997	50	60	355	0	55	65
1998	40	75	295	0	45	53
1999	35	90	265	0	85	93
2000	50	70	340	1	130	140
2001	60	115	295	0	155	164
Maui						
1997	106	235	345	0	295	308
1998	145	280	475	0	435	452
1999	150	365	620	0	475	498
2000	145	345	685	0	515	539
2001	150	425	730	0	565	592

¹ Glass or glass substitute structure.

FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Out-of-State sales, State of Hawaii, 1997-2001 ¹

Commodity	1997	1998	1999	2000	2001
<i>1,000 dollars</i>					
Anthuriums, cut	10,945	9,795	10,685	10,600	11,000
Birds of Paradise	720	945	710	980	860
Cymbidiums	80	130	110	100	110
Dendrobiums, sprays	3,545	3,820	2,875	3,395	3,500
Oncidium			270	545	660
Foliage, cut:					
Ti leaves	670	475	400	670	710
Other cut greens	885	1,070	845	1,060	1,480
Foliage, potted	10,320	12,220	12,785	13,525	16,200
Ginger, red	765	810	875	1,010	560
Gingers, other	450	800	890	830	460
Heliconias	820	955	970	1,400	1,270
Potted orchids:					
Dendrobiums	3,510	4,360	4,120	3,850	4,930
Phalaenopsis			285	655	640
Other orchids	5,410	6,485	5,395	6,285	7,180
Proteas	2,025	2,405	2,130	1,930	1,480
Unfinished potted foliage stock	70	400	355	270	270
Mixed assortment of cut flowers					1,260
All other flowers and nursery products	1,185	2,510	2,245	2,345	2,300
Total	41,400	47,180	45,945	49,450	54,870

¹ Based on F.O.B. island value. Includes both wholesale and retail sales. Does not include sales of cut flowers, leis, etc., purchased within the State and hand carried out.

DENDROBIUM ORCHIDS: Sales and value, State of Hawaii, 1997-2001 ¹

Year	Individual blossoms		Cut sprays		Potted plants				Total value
	Number sold	Value	Number sold	Value	In bud/bloom		Community pots		
					Number sold	Value	Number sold	Value	
	<i>Million blooms</i>	<i>1,000 dollars</i>	<i>1,000 dozens</i>	<i>1,000 dollars</i>	<i>1,000 pots</i>	<i>1,000 dollars</i>	<i>1,000 pots</i>	<i>----- 1,000 dollars -----</i>	
1997	24.8	725	368	2,549	1,249	5,599	160	793	9,666
1998	28.9	855	419	2,864	1,025	5,663	82	406	9,788
1999	21.7	673	378	2,608	816	5,119	126	521	8,921
2000	19.9	615	340	2,335	941	5,590	124	938	9,478
2001	21.0	672	415	2,990	1,036	5,926	140	682	10,270

¹ Includes only producers with total sales of \$10,000 or more.